

EARP Update Solar MREP Meeting December 12, 2012

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EARP Agenda

- Program Overview
- Expansion Plan
- Eligibility Requirements
- Results
 - Solar Production
 - Program Interest
 - Current Status
- Future of EARP



Overview

- Experimental Advanced Renewable Program (EARP)
- Customer-Owned Solar Photovoltaic Generators
- Original EARP (Phases 1 & 2)
 - 102 Customer-Owned Generators
 - 2 MW Installed DC Nameplate Capacity
 - 12 Year Contract Term
- EARP Expansion (Phases 3 and beyond)
 - Total Payments to Customers: \$14.5 Million
 - ≈ 350 Additional Customer-Owned Generators
 - ≈ 3.25 MW Additional Solar PV Installations
 - Fixed Rate up to \$0.26 per kWh
 - 15 year Contract Term



Expansion Plan

- 3 MW expansion
 - 1500 kW Residential, 1500 kW Non-Residential
- 1 MW per year in Phases
 - 250 kW Non-Residential Semi-Annually
 - 125 kW Residential Quarterly
- Additional Capacity 4th Year

	Q1 (kW)		Q2 (kW)		Q3 (kW)		Q4 (kW)		Allocated Capacity (kW)		
	Residential	Non-Residential	Residential	Non-Residential	Residential	Non-Residential	Residential	Non-Residential	Residential	Non-Residential	Total
2011								250	0	250	250
2012	125		125	250	125		125	250	500	750	1250
2013	125		125	250	125		125	250	1000	1250	2250
2014	125		125	250	125		125	*	1500	1500	3000
2015	*	*	*	*	*	*	*	*			



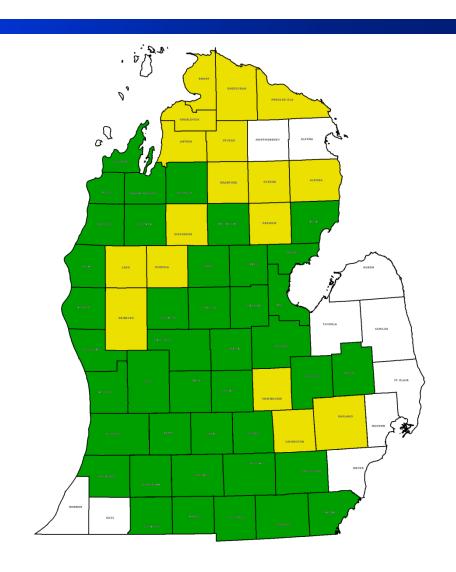
Eligibility Requirements

- Solar PV
- Satisfactory Payment History
- Size Limitations
 - Generator DC Nameplate
 - Expected Production
- Michigan Labor/Materials
- Customer Class



Production Results thru November 2012*

- 2.3 MW Online
- 5,720 MWh Generated
- \$2.6 Million in Payments
- 18,000 RECs Created
- 14.0% Avg Capacity Factor



^{*}Results from current 132 operating EARP Facilities



Program Interest

 Participants in 40 of 58 Counties (69%)

Most Participants:

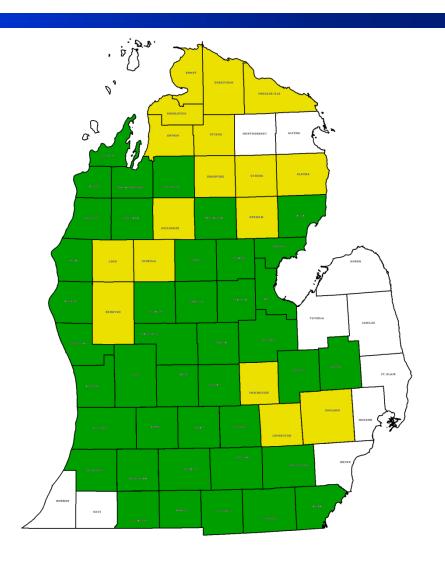
#1: Kent – 32

#2: Jackson – 17

43: Kalamazoo – 14

Muskegon – 14

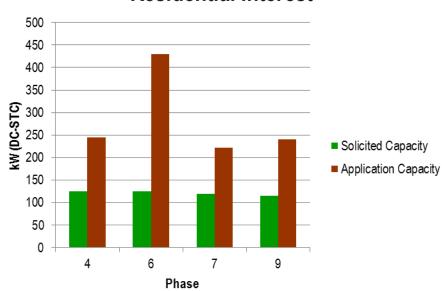
 Applications Received from 46 of 58 Counties (79%)





Program Interest

Residential Interest



Residential Application

Capacity Awarded:

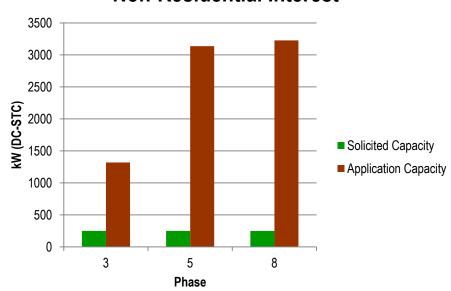
Phase 4: 50%

Phase 6: 30%

Phase 7: 58%

Phase 9: 52%

Non-Residential Interest



Non-Residential Application

Capacity Awarded:

Phase 3: 14%

Phase 5: 8%

Phase 8: 9%



Current Status

	Class	Awarded kW	Operating kW	
Phase 1 – 2009	Both	1033	1033	
Phase 2 – 2010	Both	988	988	
Phase 3 – 4Q 2011	Non-Residential	184	24	
Phase 4 – 1Q 2012	Residential	122	100	
Phase 5 – 2Q 2012	Non-Residential	252	21	
Phase 6 – 2Q 2012	Residential	131	61	
Phase 7 – 3Q 2012	Residential	129	43	
Phase 8 – 4Q 2012	Non-Residential	294	0	
Phase 9 – 4Q 2012	Residential	126	0	
Total		3259	2270	



Future of EARP

- Expansion Budget \$14.5 million
- Estimated Capacity for Expansion 3.25 MW (Revised)
- Last EARP Phase Projected

Non-Residential: 4Q 2014

Residential: 1Q 2015

 After 2Q 2013, Company will reevaluate the capacity designated for Residential and Non-Residential participants



Future of EARP (cont.)

- Public Meeting –
 Upcoming in January. Check website for updates
- Next Residential Phase
 - Phase 10 will open January 2, 2013
 - Applications are due to the EARP Coordinator by 5:00 pm on February 6, 2013
 - Phase 10 Residential
 - Price: \$0.249/kWh
 - Capacity: 114.8 kW
- Next Non-Residential Phase
 - Phase 11 will open April 1, 2013
 - Applications are due to the EARP Coordinator by 5:00 pm on May 8, 2013
 - Phase 11 Non-Residential
 - Price: \$0.209/kWh
 - Capacity: 203.9 kW



Questions?

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